

Attorney Docket No. 1046.1001-C2D2

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Tomonobu TAKASHIMA et al.

Application No.: To be Assigned

Group Art Unit: 2662

Filed: October 8, 2003

Examiner: A. Hsu

For: CELL MULTIPLEXING APPARATUS HANDLING MULTIPLE ITEMS OF  
INFORMATION**INFORMATION DISCLOSURE STATEMENT**Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure provisions of 37 CFR § 1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

1. Enclosures accompanying this Information Disclosure Statement are:

- 1a. ☒ Form PTO-1449.
- 1b. ☐ Copies of IDS citations.
- 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
- 1d. ☐ English language translation (complete or relevant portion(s)) attached to each non-English language publication.
- 1e. ☐ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.
- 1f. ☒ List of Copending Applications (ATTACHMENT 1(f), hereto).
- 1g. ☐ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).

2. ☒ This Information Disclosure Statement is filed under 37 CFR §1.97(b):*(Check either Item 2a or 2b or 2c or 2d)*

- 2a. ☒ Within three months of the filing date of a national application other than a Continued Prosecution Application under § 1.53(d);
- 2b. ☐ Within three months of the date of entry of the national stage as set forth in § 1.491 in an international application.
- 2c. ☐ Before the mailing of a first Office Action on the merits; or
- 2d. ☐ Before the mailing of a first Office Action after the filing of a Request for Continued Examination under § 1.114.

3. ☐ This Information Disclosure Statement is filed under 37 CFR § 1.97(c) after the period specified in paragraph 2 above but before the mailing date of any of a Final Office Action under § 1.113, a Notice of Allowance under § 1.311 or an action that otherwise closes prosecution in the application, AND

*(Check either Item 3a or 3b; Item 3b to be checked if any reference known for more than 3 months)*

- 3a. ☐ The §1.97(e) Statement in Item 5 below is applicable; OR  
3b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:  
☐ enclosed.  
☐ to be charged to Deposit Account No. 19-3935.

4. ☐ This Information Disclosure Statement is filed under 37 CFR §1.97(d) after the period specified in paragraph 3 above, but on or before payment of the Issue Fee, AND

- 4a. ☐ The § 1.97(e) Statement in Item 5 below is applicable; AND  
4b. ☐ The \$180.00 fee set forth in 37 C.F.R. §1.17(p) is:  
☐ enclosed.  
☐ to be charged to Deposit Account No. 19-3935.

5. ☐ Statement under § 1.97(e) (*applicable if Item 3a or Item 4 is checked*)

*(Check either Item 5a or 5b)*

- 5a. ☐ In accordance with 37 CFR § 1.97(e)(1), it is stated that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.  
5b. ☐ In accordance with 37 CFR § 1.97(e)(2), it is stated that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known by any individual designated in §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

6. ☒ This is a continuation/divisional/continuation-in-part application under 37 CFR § 1.53(b).

*(Check appropriate Items 6a and/or 6b)*

- 6a. ☒ Copies of the publications listed on the attached Form PTO-1449 which were previously cited in prior application Serial No. 09/467,759, filed December 20, 1999; Serial No. 08/835,995, filed April 11, 1997; Serial No. 08/510,121, filed August 1, 1995, and Serial no. 08/004,134, filed January 13, 1993, and which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, have been omitted pursuant to 37 CFR § 1.98(d).  
6b. ☐ Copies of the publications listed on the attached Form PTO-1449 which were not previously cited in prior application Serial No. \_\_\_, filed on \_\_\_, and

which is relied on for an earlier effective filing date for the subject application under 35 U.S.C. § 120, are provided herewith.

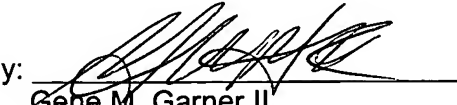
7. ☐ This is a continuation/divisional application under 37 CFR § 1.53(d) or Request for Continued Examination under 37 CFR 1.114.  
(Check either Item 7a or 7b)
- 7a. ☐ The Issue Fee has not been paid.
- 7b. ☐ A Petition to Withdraw from issue under 37 CFR §1.313(c) is filed concurrently herewith or has been granted. A continuation application under 37 CFR § 1.53(d) or Request for Continued Examination under 37 CFR 1.114, after payment of the Issue Fee is proper in accordance with 37 CFR § 1.53(d)(1)(ii) or 37 CFR 1.114(a), respectively.
8. ☐ This is a Supplemental Information Disclosure Statement.  
(Check either Item 8a or 8b)
- 8a. ☐ This Supplemental Information Disclosure Statement under 37 CFR § 1.97(f) supplements the Information Disclosure Statement filed on \_\_\_\_\_. A bona fide attempt was made to comply with 37 CFR § 1.98, but inadvertent omissions were made. These omissions have been corrected herein. Accordingly, additional time is requested so that this Supplemental IDS can be considered as if properly filed on \_\_\_\_\_.
- 8b. ☐ This Supplemental Information Disclosure Statement is timely filed within one (1) month of the Notice under 37 CFR § 1.97 and 1.98, mailed \_\_\_\_\_. (MPEP 609 C(1), Form ¶ 6.49, Rev. 1, Feb. 2000, pp. 600-107)
9. ☐ In accordance with 37 CFR § 1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is:  
(Check appropriate Items 9a, 9b, 9c and/or 9d)
- 9a. ☐ satisfied because all non-English language publications were cited on the enclosed English language copy of the PCT International Search Report or the search report from a counterpart foreign application indicating the degree of relevance found by the foreign office. (See U.S. Patent & Trademark Office's authorization in the Federal Register, Vol. 57, No. 12, January 17, 1992, at page 2031 (Reply to Comment 68).)
- 9b. ☐ set forth in the application.
- 9c. ☐ satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.
- 9d. ☐ enclosed as Attachment 1(e), hereto.
10. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§ 1.97(g) and (h).

11. The Commissioner is authorized to credit any overpayment or charge any additional fee required under 37 CFR § 1.17 for this Information Disclosure Statement and/or Petition to Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Dated: Oct 8, 2003  
1201 New York Avenue, N.W., Suite 700  
Washington, D.C. 20005  
Telephone: (202) 434-1500  
Facsimile: (202) 434-1501

By:   
Gene M. Garner II  
Registration No. 34,172

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. <b>1046.1001C2D3</b>	APPLICATION NO. <b>To be Assigned</b>
<b>LIST OF REFERENCES CITED BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		FIRST NAMED INVENTOR <b>Tomonobu TAKASHIMA et al.</b>	
		FILING DATE <b>October 8, 2003</b>	GROUP ART UNIT <b>2662</b>

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	4,956,839	07/1990	TORII ET AL.			
	AB	4,984,264	01/1991	KATSUBE			
	AC	5,062,106	10/1991	YAMAZAKI ET AL.			
	AD	5,067,123	11/1991	HYODO ET AL.			
	AE	5,084,867	01/1992	TACHIBANA ET AL.			
	AF	5,087,045	04/1991	TSUZUKI			
	AG	5,119,369	06/1992	TANABE ET AL.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	Ah	04156193	5/1992	JAPAN				
	AI	04215344	8/1992	JAPAN				
	AJ	4-287536	10/1992	JAPAN				
	AK	4-331530	11/1992	JAPAN				
	AM	5-23643	3/1993	JAPAN				
	AN	5-211523	8/1993	JAPAN				
	AO	5-227197	9/1993	JAPAN				

**OTHER REFERENCES** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	AP	"A Study on Multimedia Communication"
EXAMINER		DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1046.1001C2D3	APPLICATION NO. To be Assigned
LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)		FIRST NAMED INVENTOR Tomonobu TAKASHIMA et al.	
		FILING DATE October 8, 2003	GROUP ART UNIT 2662

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	BA	5,313,458	05/1994	SUZUKI			
	BB	5,513,458	05/1994	HEDDES ET AL.			
	BC	5,301,189	04/1994	SCHMIDT ET AL.			
	BD	5,291,486	03/1994	KOYANAGI			
	BE	5,251,209	10/1993	JURKEVICH ET AL.			
	BF	5,189,668	02/1993	TAKATORI ET AL.			
	BG	5,130,984	07/1992	CISNEROS			
	BH	5,101,404	03/1992	KUNIMOTO ET AL.			
	BI	4,700,341	10/1987	HUANG			
	BJ	4,569,042	02/1986	LARSON			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	BK	63082151	04/1988	JAPAN			
	BL	61296838	12/1986	JAPAN			
	BM	03270488	12/1991	JAPAN			
	BN	04078248	3/1992	JAPAN			
	BO	04086145	3/1992	JAPAN			
	BP						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

BQ	Hajikano Kazuo et al., "A Study on Connectionless Communication in ATM", Technical Research Report of Electronic Information Communication Meeting SSE90-142 (Mar. 8, 1991).
BR	William J. Spratt, "Synchronous ATM-An analysis of a Call-Packing Algorithm", Performance Engineering Group, GEC-Plessey Telecommunications Limited, Sopers Lane, Poole, BH17 &EQ pp 2/1-2/7.
BS	William Covington et al., "Voice Transport on an ATM Broadband Network", Bell Communications Research, Mar. 1989, IEEE, pp. 1921-1925.

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1046.1001C2D3	APPLICATION NO. To be Assigned
LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)		FIRST NAMED INVENTOR Tomonobu TAKASHIMA et al.	
		FILING DATE October 8, 2003	GROUP ART UNIT 2662

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	CA	5,166,926	11/1992	CISNEROS ET AL.			
	CB	5,214,642	05/1993	KUNIMOTO ET AL.			
	CC	5,247,516	09/1993	BERNSTEIN ET AL.			
	CD	5,301,184	04/1994	URIU ET AL.			
	CE	5,311,509	05/1994	HEDDES ET AL.			
	CF	5,287,348	02/1994	SCHMIDT ET AL.			
	CG	5,007,045	04/1991	TSUZUKI			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	CH	63-197148	8/1988	JAPAN			
	CI	1-295546	11/1989	JAPAN			
	CJ	03229544	10/1991	JAPAN			

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	CK	
	CL	
	CM	
EXAMINER		DATE CONSIDERED
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>		

**ATTACHMENT 1(f)**

<b>LIST OF COPENDING APPLICATIONS</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1046.1001C2d3	To be Assigned
	FIRST NAMED INVENTOR	
	Tomonobu TAKASHIMA et al.	
	FILING DATE	GROUP ART UNIT
	October 8, 2003	2662

The following, prior-filed, copending U.S. patent application(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

**This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.**

**U.S. PATENT APPLICATION DOCUMENTS**

EXAMINER INITIAL		U.S. SERIAL NO.	FILING DATE	NAME	ASSIGNEE
	1	09/467,759	12/19/99	TAKASHIMA et al.	FUJITSU LIMITED
	2	10/356,725	02/03/03	TAKASHIMA et al.	FUJITSU LIMITED
	3				
	4				
	5				
	6				
	7				
	8				

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	